

SEQUENCE LISTING

<110> Takeda Pharmaceutical Company Limited

<120> Preventing or treating agent for cancer

<130> P04-215PCT

<150> JP 2003-427782

<151> 2003-12-24

<160> 38

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<211> 837

<212> PRT

<213> Homo sapiens

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<211> 837

<212> PRT

<213> Homo sapiens

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Val	Leu	Gln	Asp	Val	Phe	Thr	Leu	Ser	Pro	Ser	Pro	Gln	Asp	Trp	Arg
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Thr	Glu	Gly	Ser	Ala	Val	Cys	Val	Phe	Thr	Met	Lys	Asp	Val	Gln	Arg
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Val	His	Arg	Asp	Pro	Pro	Val	Pro	Thr	Pro	Arg	Pro	Gly	Ala	Cys	Ile
	385				390					395					400
Thr	Asn	Ser	Ala	Arg	Glu	Arg	Lys	Ile	Asn	Ser	Ser	Leu	Gln	Leu	Pro
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Val	Arg	Ser	Arg	Met	Leu	Leu	Leu	Gln	Pro	Gln	Ala	Arg	Tyr	Gln	Arg
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Val	Ala	Val	His	Arg	Val	Pro	Gly	Leu	His	His	Thr	Tyr	Asp	Val	Leu
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Pro	Arg	Val	His	Ile	Ile	Glu	Glu	Leu	Gln	Ile	Phe	Ser	Ser	Gly	Gln
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Pro	Val	Gln	Asn	Leu	Leu	Leu	Asp	Thr	His	Arg	Gly	Leu	Leu	Tyr	Ala
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Ala	Ser	His	Ser	Gly	Val	Val	Gln	Val	Pro	Met	Ala	Asn	Cys	Ser	Leu
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G06-0039 Seq.list.txt

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Glu Lys Pro Cys Glu Gln Val Gln Phe Gln Pro Asn Thr Val Asn Thr			
	595	600	605
Leu Ala Cys Pro Leu Leu Ser Asn Leu Ala Thr Arg Leu Trp Leu Arg			
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Asn Gly Ala Pro Val Asn Ala Ser Ala Ser Cys His Val Leu Pro Thr			
625	630	635	640
Gly Asp Leu Leu Leu Val Gly Thr Gln Gln Leu Gly Glu Phe Gln Cys			
	645	650	655
Trp Ser Leu Glu Gly Phe Gln Gln Leu Val Ala Ser Tyr Cys Pro			
	660	665	670
Glu Val Val Glu Asp Gly Val Ala Asp Gln Thr Asp Glu Gly Gly Ser			
	675	680	685
Val Pro Val Ile Ile Ser Thr Ser Arg Val Ser Ala Pro Ala Gly Gly			
	690	695	700
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705	710	715	720
Met Cys Thr Leu Phe Val Leu Ala Val Leu Leu Pro Val Leu Phe Leu			
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Leu Tyr Arg His Arg Asn Ser Met Lys Val Phe Leu Lys Gln Gly Glu			
	740	745	750
Cys Ala Ser Val His Pro Lys Thr Cys Pro Val Val Leu Pro Pro Glu			
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	770	775	780
Arg Gly Tyr Gln Ser Leu Ser Asp Ser Pro Pro Gly Ser Arg Val Phe			
785	790	795	800
Thr Glu Ser Glu Lys Arg Pro Leu Ser Ile Gln Asp Ser Phe Val Glu			
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<212> DNA

<213> Homo sapiens

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accctgtacg	tgggtgctcg	agaggccctc	tttgcaactca	gtagcaacct	cagcttctcg	300
ccaggcg	ggg	agtaccagga	gctgctttgg	ggtgcagacg	cagagaagaa	360
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<211> 3766

<212> DNA

<213> Homo sapiens

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G06-0039 Seq.list.txt

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 Asp Ala Glu Lys Lys Gln Gln Cys Ser Phe Lys Gly Lys Asp Pro Gln
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 Arg Asp Cys Gln Asn Tyr Ile Lys Ile Leu Leu Pro Leu Ser Gly Ser
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 Ser Phe Gln Gly Asn Asp Pro Ala Ile Ser Arg Ser Gln Ser Leu Arg
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 Val Ala Ser Ala Tyr Ile Pro Glu Ser Leu Gly Ser Leu Gln Gly Asp
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 260 265 270
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 275 280 285
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 Lys Ala Gln Leu Leu Cys Ser Arg Pro Asp Asp Gly Phe Pro Phe Asn
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Val Arg Ser Arg Met	Leu Leu Leu Gln Pro	Gln Ala Arg Tyr Gln Arg
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Val Ala Val His Arg	Val Pro Gly Leu His	His Thr Tyr Asp Val Leu
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Phe Leu Gly Thr Gly	Asp Gly Arg Leu His	Lys Ala Val Ser Val Gly
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Pro Arg Val His Ile	Ile Glu Glu Leu Gln	Ile Phe Ser Ser Gly Gln
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Pro Val Gln Asn Leu	Leu Leu Asp Thr His	Arg Gly Leu Leu Tyr Ala
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Ala Ser His Ser Gly	Val Val Gln Val Pro	Met Ala Asn Cys Ser Leu
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Tyr Arg Ser Cys Gly	Asp Cys Leu Leu Ala	Arg Asp Pro Tyr Cys Ala
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Glu Lys Pro Cys Glu	Gln Val Gln Phe Gln	Pro Asn Thr Val Asn Thr
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Trp Ser Leu Glu Glu	Gly Phe Gln Gln Leu	Val Ala Ser Tyr Cys Pro
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Glu Val Val Glu Asp	Gly Val Ala Asp Gln	Thr Asp Glu Gly Gly Ser
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Val Pro Val Ile Ile	Ser Thr Ser Arg Val	Ser Ala Pro Ala Gly Gly
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Lys Ala Ser Trp Gly	Ala Asp Arg Ser Tyr	Trp Lys Glu Phe Leu Val
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Met Cys Thr Leu Phe	Val Leu Ala Val Leu	Leu Pro Val Leu Phe Leu
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Leu Tyr Arg His Arg	Asn Ser Met Lys Val	Phe Leu Lys Gln Gly Glu
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Cys Ala Ser Val His	Pro Lys Thr Cys Pro	Val Val Leu Pro Pro Glu
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Thr Arg Pro Leu Asn	Gly Leu Gly Pro Pro	Ser Thr Pro Leu Asp His
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785	790	795
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G06-0039 Seq.list.txt

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<211> 2511

<212> DNA

<213> Homo sapiens

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<212> PRT

<213> Homo sapiens

<400> 10

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Phe Phe Glu Asn Thr Ile Val Ser Arg	Ile Ala Arg Ile Cys Lys Gly	
275	280	285
Asp Glu Gly Gly Glu Arg Val Leu Gln Gln	Arg Trp Thr Ser Phe Leu	
290	295	300
Lys Ala Gln Leu Leu Cys Ser Arg Pro Asp	Asp Gly Phe Pro Phe Asn	320
305	310	315
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Val Phe Ser Gly Leu Tyr Lys Glu Val Asn	Arg Glu Thr Gln Gln Met	
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Tyr Arg Ser Cys Gly Asp Cys Lys His	Val Ser Leu Tyr Gln Pro Gln Leu	
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G06-0039 Seq.list.txt

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<213> Homo sapiens

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<213> Homo sapiens

<400> 12

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35 40 45
Leu Gly Ala Thr Asn Phe Leu Phe Gln Leu Ser Pro Gly Leu Gln Leu
50 55 60
Glu Ala Thr Val Ser Thr Gly Pro Val Leu Asp Ser Arg Asp Cys Leu
65 70 75 80
Pro Pro Val Met Pro Asp Glu Cys Pro Gln Ala Gln Pro Thr Asn Asn
85 90 95
Pro Asn Gln Leu Leu Leu Val Ser Pro Gly Ala Leu Val Val Cys Gly
100 105 110
Ser Val His Gln Gly Val Cys Glu Gln Arg Arg Leu Gly Gln Leu Glu
115 120 125
Gln Leu Leu Leu Arg Pro Glu Arg Pro Gly Asp Thr Gln Tyr Val Ala
130 135 140
Ala Asn Asp Pro Ala Val Ser Thr Val Gly Leu Val Ala Gln Gly Leu
145 150 155 160
Ala Gly Glu Pro Leu Leu Phe Val Gly Arg Gly Tyr Thr Ser Arg Gly
165 170 175
Val Gly Gly Gly Ile Pro Pro Ile Thr Thr Arg Ala Leu Trp Pro Pro
180 185 190
Asp Pro Gln Ala Ala Phe Ser Tyr Glu Glu Thr Ala Lys Leu Ala Val
195 200 205
Gly Arg Leu Ser Glu Tyr Ser His His Phe Val Ser Ala Phe Ala Arg
210 215 220
Gly Ala Ser Ala Tyr Phe Leu Phe Leu Arg Arg Asp Leu Gln Ala Gln
225 230 235 240
Ser Arg Ala Phe Arg Ala Tyr Val Ser Arg Val Cys Leu Arg Asp Gln

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His	Gly	Glu	Val	Leu	Phe	Ala	Ala	Phe	Ser	Ser	Ala	Ala	Pro	Pro	Thr	
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Val	Gly	Arg	Pro	Pro	Ser	Ala	Ala	Ala	Gly	Ala	Ser	Gly	Ala	Ser	Ala	
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Leu	Cys	Ala	Phe	Pro	Leu	Asp	Glu	Val	Asp	Arg	Leu	Ala	Asn	Arg	Thr	
				325					330					335		
Arg	Asp	Ala	Cys	Tyr	Thr	Arg	Glu	Gly	Arg	Ala	Glu	Asp	Gly	Thr	Glu	
			340					345					350			
Val	Ala	Tyr	Ile	Glu	Tyr	Asp	Val	Asn	Ser	Asp	Cys	Ala	Gln	Leu	Pro	
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Val	Asp	Thr	Leu	Asp	Ala	Tyr	Pro	Cys	Gly	Ser	Asp	His	Thr	Pro	Ser	
	370					375					380					
Pro	Met	Ala	Ser	Arg	Val	Pro	Leu	Glu	Ala	Thr	Pro	Ile	Leu	Glu	Trp	
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Pro	Gly	Ile	Gln	Leu	Thr	Ala	Val	Ala	Val	Thr	Met	Glu	Asp	Gly	His	
			405						410					415		
Thr	Ile	Ala	Phe	Leu	Gly	Asp	Ser	Gln	Gly	Gln	Leu	His	Arg	Val	Tyr	
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Leu	Gly	Pro	Gly	Ser	Asp	Gly	His	Pro	Tyr	Ser	Thr	Gln	Ser	Ile	Gln	
		435					440					445				
Gln	Gly	Ser	Ala	Val	Ser	Arg	Asp	Leu	Thr	Phe	Asp	Gly	Thr	Phe	Glu	
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His	Leu	Tyr	Val	Met	Thr	Gln	Ser	Thr	Leu	Leu	Lys	Val	Pro	Val	Ala	
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Ser	Cys	Ala	Gln	His	Leu	Asp	Cys	Ala	Ser	Cys	Leu	Ala	His	Arg	Asp	
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Pro	Glu	Leu	Gly	Cys	Leu	Gln	Val	Ala	Ala	Met	Ser	Pro	Ala	Asn	Ile	
	530					535					540					
Ser	Arg	Glu	Glu	Thr	Arg	Glu	Val	Phe	Leu	Ser	Val	Pro	Asp	Leu	Pro	
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Cys	Gln	Ala	Cys	Val	Ser	Ser	Arg	Trp	Gly	Cys	Asn	Trp	Cys	Val	Trp	
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Gln	His	Leu	Cys	Thr	His	Lys	Ala	Ser	Cys	Asp	Ala	Gly	Pro	Met	Val	
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Ala	Ser	Asp	Ile	Ser	Pro	Gly	Ala	Ser	Pro	Ser	Leu	Leu	Ser	Pro	Trp
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	770					775					780				
Glu	Asp	Leu	Leu	Ala	Ser	Pro	Leu	Ser	Pro	Ser	Glu	Val	Ala	Ala	Val
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Pro	Pro	Ala	Asp	Pro	Gly	Pro	Glu	Ala	Leu	His	Pro	Thr	Val	Pro	Leu
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Leu	Pro	Glu	Ala	Asp	Glu	Trp	Thr	Gly	Gly	Asp	Ala	Pro	Ala	Phe	Ser
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Thr	Ser	Thr	Leu	Leu	Ser	Gly	Asp	Gly	Asp	Ser	Ala	Glu	Leu	Glu	Gly
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Pro	Pro	Ala	Pro	Leu	Ile	Leu	Pro	Ser	Ser	Leu	Asp	Tyr	Gln	Tyr	Asp
				885					890					895	
Thr	Pro	Gly	Leu	Trp	Glu	Leu	Glu	Glu	Ala	Thr	Leu	Gly	Ala	Ser	Ser
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Cys	Pro	Cys	Val	Glu	Ser	Val	Gln	Gly	Ser	Thr	Leu	Met	Pro	Val	His
		915					920					925			
Val	Glu	Arg	Glu	Ile	Arg	Leu	Leu	Gly	Arg	Asn	Leu	His	Leu	Phe	Gln
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Val	Val	Val	Glu	Ala	Arg	Val	Glu	Cys	Glu	Pro	Pro	Pro	Asp	Thr	Gln
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Cys	His	Val	Thr	Cys	Gln	Gln	His	Gln	Leu	Ser	Tyr	Glu	Ala	Leu	Gln
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Pro	Glu	Leu	Arg	Val	Gly	Leu	Phe	Leu	Arg	Arg	Ala	Gly	Arg	Leu	Arg
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Pro Ala Arg Gly Pro Arg Ala Gly Gly Thr Arg Leu Thr Leu Asn Gly
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Ser Lys Leu Leu Thr Gly Arg Leu Glu Asp Ile Arg Val Val Val Gly
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Asp Gln Pro Cys His Leu Leu Pro Glu Gln Ser Glu Gln Leu Arg
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Cys Glu Thr Ser Pro Arg Pro Thr Pro Ala Thr Leu Pro Val Ala Val
          1220          1225          1230
Trp Phe Gly Ala Thr Glu Arg Arg Leu Gln Arg Gly Gln Phe Lys Tyr
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Thr Leu Asp Pro Asn Ile Thr Ser Ala Gly Pro Thr Lys Ser Phe Leu
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Arg His Lys Pro Gly Ser Val Phe Ser Val Glu Gly Glu Asn Leu Asp
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Ser Leu Pro Glu Phe Thr Val Gln Met Gly Asn Leu Arg Phe Ser Leu
          1460          1465          1470
Gly His Val Gln Tyr Asp Gly Glu Ser Pro Gly Ala Phe Pro Val Ala
          1475          1480          1485
Ala Gln Val Gly Leu Gly Val Gly Thr Ser Leu Leu Ala Leu Gly Val
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 Leu His Arg Asp Leu Gly Val Pro Glu Ser Arg Arg Pro Thr Val Glu
 1585 1590 1595 1600
 Gln Gly Leu Gly Gln Leu Ser Asn Leu Leu Asn Ser Lys Leu Phe Leu
 1605 1610 1615
 Thr Lys Phe Ile His Thr Leu Glu Ser Gln Arg Thr Phe Ser Ala Arg
 1620 1625 1630
 Asp Arg Ala Tyr Val Ala Ser Leu Leu Thr Val Ala Leu His Gly Lys
 1635 1640 1645
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 Ala Gln Tyr Val Ala Lys Asn Pro Lys Leu Met Leu Arg Arg Thr Glu
 1665 1670 1675 1680
 Thr Val Val Glu Lys Leu Leu Thr Asn Trp Met Ser Ile Cys Leu Tyr
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 1730 1735 1740
 Glu Tyr Arg Pro Leu Thr Leu Asn Ala Leu Leu Ala Val Gly Pro Gly
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 Ala Gly Glu Ala Gln Gly Val Pro Val Lys Val Leu Asp Cys Asp Thr
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 1825 1830 1835 1840
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 1845 1850 1855
 Val Leu Arg Glu Asn Gln Asp Tyr Val Pro Gly Glu Arg Thr Pro Met
 1860 1865 1870
 Leu Glu Asp Val Asp Glu Gly Gly Ile Arg Pro Trp His Leu Val Lys
 1875 1880 1885
 Pro Ser Asp Glu Pro Glu Pro Pro Arg Pro Arg Arg Gly Ser Leu Arg
 1890 1895 1900
 Gly Gly Glu Arg Glu Arg Ala Lys Ala Ile Pro Glu Ile Tyr Leu Thr
 1905 1910 1915 1920
 Arg Leu Leu Ser Met Lys Gly Thr Leu Gln Lys Phe Val Asp Asp Leu
 1925 1930 1935
 Phe Gln Val Ile Leu Ser Thr Ser Arg Pro Val Pro Leu Ala Val Lys

	1940						1945						1950					
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